

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-41 (canceled)

Claim 42 (new): An information storage medium, comprising:

a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit; and

a management area, separate from the data area, configured to store size information of said data unit, wherein,

said data unit contains information of a transport packet of the MPEG transport stream, and

the information of said transport packet includes a random access indicator configured to be supported if a special playback mode based on the I-picture is set, the information of said I-picture being recorded in unit of said data unit whose size can be indicated by the size information stored in the management area.

Claim 43 (new): An information storage medium, comprising:

a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit; and

a management area, separate from the data area, configured to store size information of said data unit, wherein,

said data unit contains information of a transport packet of the MPEG transport stream, and

the information of said transport packet includes a unit start indicator configured to specify a start address of information of the I-picture, the information of said I-picture being

recorded in unit of said data unit whose size can be indicated by the size information stored in the management area.

Claim 44 (new): A method of recording MPEG transport stream information on an information medium having a data area and a management area, said information medium including,

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a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit, and

a management area, separate from the data area, configured to store size information of said data unit, wherein,

said data unit contains information of a transport packet of the MPEG transport stream, and

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the information of said transport packet includes a random access indicator configured to be supported if a special playback mode based on the I-picture is set, the information of said I-picture being recorded in unit of said data unit whose size can be indicated by the size information stored in the management area,

said recording method comprising:

recording the MPEG transport stream information on the data area; and

recording management information of the MPEG transport stream information on the management area.

Claim 45 (new): A method of recording MPEG transport stream information on an information medium having a data area and a management area, said information medium including,

a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit, and

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a management area, separate from the data area, configured to store size information of said data unit, wherein,

said data unit contains information of a transport packet of the MPEG transport stream, and

the information of said transport packet includes a unit start indicator configured to specify a start address of information of the I-picture, the information of said I-picture being recorded in unit of said data unit whose size can be indicated by the size information stored in the management area,

said recording method comprising:

recording the MPEG transport stream information on the data area; and

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recording management information of the MPEG transport stream information on the management area.

Claim 46 (new): A method of reproducing MPEG transport stream information from an information medium having a data area and a management area, said information medium including,

a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit, and

a management area, separate from the data area, configured to store size information of said data unit, wherein,

said data unit contains information of a transport packet of the MPEG transport stream, and

the information of said transport packet includes a random access indicator configured to be supported if a special playback mode based on the I-picture is set, the information of said I-picture being recorded in unit of said data unit whose size can be indicated by the size information stored in the management area,

said reproducing method comprising:

reproducing management information of the MPEG transport stream information from the management area; and

reproducing the MPEG transport stream information from the data area.

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Claim 47 (new): A method of reproducing MPEG transport stream information from an information medium having a data area and a management area, said information medium including,

a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit, and

a management area, separate from the data area, configured to store size information of said data unit, wherein,

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said data unit contains information of a transport packet of the MPEG transport stream, and

the information of said transport packet includes a unit start indicator configured to specify a start address of information of the I-picture, the information of said I-picture being recorded in unit of said data unit whose size can be indicated by the size information stored in the management area,

said reproducing method comprising:

reproducing management information of the MPEG transport stream information from the management area; and

reproducing the MPEG transport stream information from the data area.

Claim 48 (new): An apparatus of reproducing MPEG transport stream information from an information medium having a data area and a management area, said information medium including,

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a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit, and

a management area, separate from the data area, configured to store size information of said data unit, wherein,

said data unit contains information of a transport packet of the MPEG transport stream, and

the information of said transport packet includes a random access indicator configured to be supported if a special playback mode based on the I-picture is set, the information of said I-picture being recorded in unit of said data unit whose size can be indicated by the size information stored in the management area,

said reproducing apparatus comprising:

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a first reproducer configured to reproduce management information of the MPEG transport stream information from the management area; and

a second reproducer configured to reproduce the MPEG transport stream information from the data area.

Claim 49 (new): An apparatus of reproducing MPEG transport stream information from an information medium having a data area and a management area, said information medium including,

a data area configured to store an MPEG transport stream containing information of I-pictures, said MPEG transport stream being recorded as data unit, and

a management area, separate from the data area, configured to store size information of said data unit, wherein,

said data unit contains information of a transport packet of the MPEG transport stream, and

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the information of said transport packet includes a unit start indicator configured to specify a start address of information of the I-picture, the information of said I-picture being recorded in unit of said data unit whose size can be indicated by the size information stored in the management area,

said reproducing apparatus comprising:

a first reproducer configured to reproduce management information of the MPEG transport stream information from the management area; and

a second reproducer configured to reproduce the MPEG transport stream information from the data area.
